

WHAT IS CLAIMED IS:

1. An apparatus of driving a liquid crystal display comprising:
first and second lamp units;
a first transformer including a primary side and a secondary side having a first terminal connected to the first lamp unit and a second terminal;
a second transformer including a primary side and a secondary side having a first terminal connected to the second terminal of the secondary side of the first transformer and a second terminal connected to the second lamp unit;
a driver converting a DC signal into an AC signal and supplying the AC signal to the primary sides of the first and the second transformers; and
a voltage sensor for sensing a voltage at a middle point between the second terminal of the secondary side of the first transformer and the first terminal of the secondary side of the second transformer.
2. The apparatus of claim 1, wherein the driver is shut down when the voltage sensed by the voltage sensor is larger than a reference voltage.
3. The apparatus of claim 2, further comprising a voltage divider for dividing the voltage at the middle point and providing the divided voltage for the voltage sensor.
4. The apparatus of claim 3, wherein the voltage divider comprises first and second resistors serially connected to the middle point.
5. The apparatus of claim 2, further comprising an on/off controller supplying an off signal to the driver in response to the voltage sensed by the voltage sensor.
6. The apparatus of claim 5, further comprising a feedback controller detecting a current flowing through the first and the second lamp units and controlling the on/off controller based on the detected current.
7. The apparatus of claim 1, wherein each of the first and the second lamp units comprises a single lamp.
8. The apparatus of claim 1, wherein each of the first and the second lamp units comprises a plurality of lamps connected in series.

9. The apparatus of claim 1, further comprising first and second resistors connected to the first and the second lamp units, respectively, and commonly connected to a ground.

10. The apparatus of claim 1, wherein the primary sides of the first and the second transformers are connected in parallel to the driver.

11. A liquid crystal display comprising:

a lighting unit including first and second lamps, first and second transformers respectively connected to the first and the second lamps, including primary sides and secondary sides, and transmitting an AC signal for driving the first and the second lamps, and a driver supplying a signal to the primary sides of the first and the second transformers; and

a liquid crystal panel assembly having a liquid crystal for displaying images by adjusting transmittance of light generated from the lighting unit,

wherein the secondary sides of the first and the second transformers are connected to each other to form a neutral point, and the lighting unit further comprises a voltage sensor for sensing a voltage of the neutral point.

12. The liquid crystal display of claim 11, wherein the driver is shut down when the voltage sensed by the voltage sensor is larger than a reference voltage.